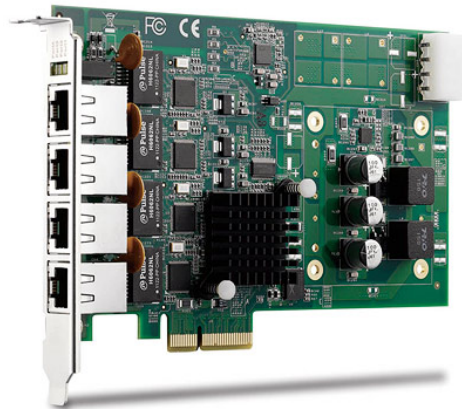


ADLINK GIE62+ and GIE64+ GigE PoE controller



GIE62+



GIE64+

ADLINK's GIE62+ & GIE64+ are PCI Express® x4 lane, PoE (Power over Ethernet) interface cards, which support two / four independent Gigabit Ethernet (GigE) ports for multiple Gigabit Ethernet Vision device connections with data transfer rates up to 1000 Mb/s.

The GIE62+ / GIE64+ feature a single cable solution through the combination of power and data lines, simplifying installation, lowering maintenance, and reducing total cost of ownership. The cards provide automatic detection for stable and reliable connection between PoE or non-PoE cameras.

- IEEE802.3af (48 V, 15.4 W/channel)
- Supports two (GIE62+) / four (GIE64+) independent GigE ports
- Supports LAG (Link Aggregation)
- Supports jumbo frames
- Provides industrial screw lock connector (GIE62+)
- 2 isolated digital inputs/outputs (GIE62+)
- Powered Device (PD) auto detection and classification
- The PoE (Power over Ethernet) technology in the GIE62+ & GIE64+ provides automatic detection for stable, and reliable connection between PoE or non-PoE cameras and frame grabbers.

Specifications

Feature	GIE62+	GIE64+
Adapter Type	Gigabit Ethernet	
Interface	PCI Express® x4 compliant	
Physical Layer (PHY)	Two independent Gigabit Ethernet channels	Four independent Gigabit Ethernet channels
Speed / Bandwidth	1000BASE-T, 100BASE-TX, and 10BASE-T	
Jumbo frame support	Yes, 9kB	
Link aggregation	Yes	
IEEE 802.3af-compliance	Yes, 48 V, 15.4 W per channel, supported PoE classes 0,1,2,3,4	
Voltage	Up to 48 V over the existing CAT-5 Ethernet	
Power Requirements	Power from the PCIe slot: +12 V max @ 0.2 A +3.3 V max @ 1.5 A (without PoE) Power from power connector (CN3) +12V max @ 3A (with PoE camera)	Power from the PCIe slot: +12 V max @ 0.2 A +3.3 V max @ 1.5 A (without PoE) Power from power connector (CN3) +12V max @ 6A (with PoE camera)
Status LEDs	Link speed (100Mbit/s or 1000Mbit/s) and PoE status	PoE status
Operating temp.	0 °C to +55 °C	
Operating Humidity	0 to 90% RHNC	
Screw-lock connectors	Yes	No
Dimensions	129.5 mm x 111.5 mm (W x L)	168 mm x 111.15 mm (W x L)
Compliance	CE/FCC Class A; RoHS	
Compatibility	Compatible with all AVT Gigabit Ethernet Software Packages & AVT Gigabit Ethernet cameras.	

GIE62+ input / output specifications

Plug 1	Signal name at plug 1
Trigger I/O	2 opto-isolated digital inputs 2 opto-isolated digital outputs 2 opto-isolated trigger inputs 2 opto-isolated trigger outputs
Digital input voltage range	0 to 25 V High Level (active off) ComI to In < 0.5 V Low Level (active on) ComI to In > 2.2 V
Digital output voltage range	3 to 24 V Output sink current 80 mA (Max) Output voltage drop 1.0 V (Max) Leak current 0.1 mA (Max) Reverse voltage -6 V
Trigger input voltage range	Input voltage range (TrgComI to TrgIn.) 0 to 25 V High Level (active off) TrgComI to TrgIn < 0.5 V Low Level (active on) TrgComI to TrgIn > 2.4 V Minimum pulse width 0.1 ms
Trigger output voltage range	Load voltage range 0 to 5 V Output current 16 mA (Max) Output voltage drop 0.4 V Max(@16 mA)
Trigger in control	Rising / Falling edge selectable
Trigger out control	Delay 0 ms to 1000 ms selectable (1 ms/step.) Out pulse width 0 ms to 50 ms selectable (0.1 ms/step) Set to 0 ms to disable Polarity positive / negative selectable

Ordering information

Product name	Description	Order number
PCI-E GigE, PoE, 2 ports	PCI-E Card, GigE, ADLINK GIE62+ PCIe x4, 2 port PoE	2685
PCI-E GigE, PoE, 4 ports	PCI-E Card, GigE, ADLINK GIE64+ PCIe x4, 4 port PoE	2686

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